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To: [Harte, Philip](#)
Cc: [Becher, Kent \(kdbecher@usgs.gov\)](mailto:kdbecher@usgs.gov); [Mark Purcell](#)
Subject: NMED Report
Date: Tuesday, January 24, 2017 2:46:00 PM
Attachments: [SMC and BW SI Report 2010.pdf](#)
[LincolnParkUSGS Report.pdf](#)

Hi Phil,

Attached is a NMED report that was prepared based on sampling work they did in the San Mateo Creek Basin in 2010. They did isotopic analysis to determine milling impacts to groundwater. The report references similar work that USGS performed at the Lincoln Park Superfund Site in Colorado in 1994 (see attached). I thought it will be useful for you to see this as you begin to evaluate data from Homestake Site. See Figure 19 in the NMED report that shows a plot of uranium activity ratio and Fig 21 showing oxygen isotopes and the characterization of the waters based on this information.

Currently Mark is working with Earl Dixon on Phase 2 report that will include similar analysis based on more extensive sampling in the Lower San Mateo Creek.

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